

Solid Waste Stabilization and Disposition (RL-0013)/Operate Waste Disposal Facility (RL-0080)

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*TRU Retrieval - TPA Milestone M-91-40C
completed five months ahead of schedule*



Overview

This section addresses Project Baseline Summary (PBS) RL-0013, *Solid Waste Stabilization and Disposition*; and RL-0080, *Operate Waste Disposal Facility*.

NOTE: Unless otherwise noted, all information contained herein is as of the end of July 2005.

Notable Accomplishments

Transuranic (TRU) Waste Program: Eight shipments totaling 53 cubic meters (m³) were shipped to the Waste Isolation Pilot Plant (WIPP) in July. The first non-Hanford waste (Kerr-McGee drums from Oklahoma) shipped in July. A total of 75 shipments have been completed fiscal year 2005 to date, a record for the Hanford Site.

TRU Waste Retrieval: A total of 173 m³ of suspect TRU waste was retrieved in July, and a cumulative total of 2,735 m³ TRU has been retrieved project-to-date, versus 2,076 m³ planned. TPA milestone M-91-40C, "Retrieve 2,700 m³ by December 31, 2005," was completed July 21, 2005.

Mixed Low Level Waste (MLLW): A total of 89 m³ of MLLW was dispositioned in July, versus a planned 131 m³. To date, a total of 4,517 m³ of MLLW has been dispositioned versus a planned 3,998 m³. The first macroencapsulated retrievably-stored mixed waste from PEcoS was disposed at the Environmental Remediation Disposal Facility (ERDF) in July.

The 200A Effluent Treatment Facility (ETF) delisting modification petition was issued in the Federal Register. The petition was originally submitted to the Environmental Protection Agency (EPA) on November 30, 1998. Effective September 2, 2005, the petition expands the capability of the mixed waste trenches to accept Resource Conservation and Recovery Act (RCRA) listed waste now that the 200 Area ETF can treat the related leachate.

Liquid Waste Processing: The 310 Treated Effluent Disposal Facility processed 2.6 million (M) gallons of liquid waste in July. The new thin film dryer vessel and rotor were installed at the 200A ETF, and the facility was restarted. Construction of the Purgewater Unloading Facility at the 200A ETF continued.

FY 2005 Funds vs. Spend Forecast (\$M)

	Projected FY 2005 Funding	FY 2005 Fiscal Year Spend Forecast	Variance
RL-0013 Solid Waste Stabilization & Disposition	\$ 164.4	\$ 157.1	\$ 7.3
RL-0080 Operate Waste Disposal Facility	\$ 3.4	\$ 2.8	\$ 0.6
Total	\$ 167.8	\$ 159.9	\$ 7.9

FY 2005 Schedule/Cost Performance (\$M)

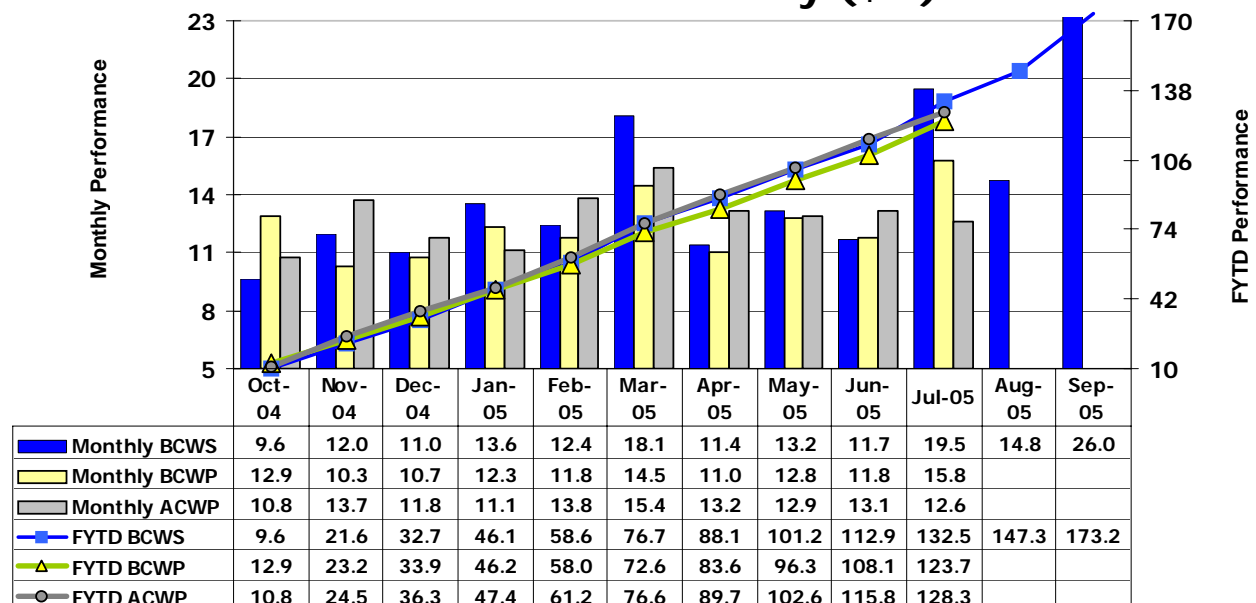
		Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
RL-0013	Solid Waste Stabilization & Disposition	\$129.6	\$120.8	\$126.2	-\$8.9	-6.8%	-\$5.4	-4.5%	\$169.6
RL-0080	Operate Waste Disposal Facility	\$2.9	\$2.9	\$2.1	\$0.0	-0.1%	\$0.8	26.1%	\$3.6
Total		\$132.5	\$123.7	\$128.3	-\$8.9	-7.2%	-\$4.7	-3.8%	\$173.2

Numbers are rounded to the nearest \$0.1M and include the closure services allocation.

Schedule Performance (-\$8.9M/-7.2%): The schedule variance in PBS RL-0013 is primarily due to WIPP shipments through July being five months behind, while TRU Retrieval is four months ahead of plan. WIPP shipments will continue to be unfavorable until the new baseline schedule is modified to reflect the reduced number of planned shipments.

Cost Performance (-\$4.7M/-3.8%): The cost variance in PBS RL-0013 is due to continuing waste characterization and assembling payloads for WIPP shipments, up-front payment to treatment contractors, and rework of North Load Out Pit (NLOP) sludge equipment design and fabrication, readiness preparations and dry runs. These are offset by TRU Retrieval production efficiencies with higher volumes.

Performance Analysis FYTD and Monthly (\$M)



Milestone Achievement

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-91-42A (WMG-05-003)	Treat 1,630 m ³ (cum) of Waste to LDR Requirements	TPA	12/31/04	12/31/03		Complete
M-91-40B (WMG-05-002)	Retrieve 1,200 m ³ (cum) of suspect TRU Waste	TPA	12/31/04	9/30/04		Complete
M-26-01O (WMG-05-L01)	Submit Annual LDR Report	TPA	4/30/05	4/28/05		Complete
M-91-45B (WMG-05-008)	Submit Report on Completed and Scheduled work on RH Boxes and LC RH/CH Waste	TPA	9/30/05		9/30/05	On Schedule
M-91-12A	Complete thermal treatment of 240 m ³ of CH-MLLW	TPA	9/30/05		9/30/05	On Schedule
M-91-40C (WMG-06-002)	Retrieve a cumulative 2,700 m ³	TPA	12/31/05	7/21/05		Complete
M-91-42B (WMG-06-013)	Treat a cumulative 3,260 m ³ of Waste to LDR Requirements	TPA	12/31/05	12/7/04		Complete
M-91-40D (WMG-07-002)	Retrieve a cumulative 4,700 m ³	TPA	12/31/06		12/31/06	On Schedule
M-91-40R (WMG-07-003)	Complete Retrieval of Trench 4, Burial Ground 218-W-4C	TPA	12/31/06		12/31/06	On Schedule
M-91-42C (WMG-07-004)	Treat a cumulative 4,890 m ³ of Waste to LDR Requirements	TPA	12/31/06		12/31/06	On Schedule